

TRANSFERRED TO OTHER AGENCY #112
TRANSFER FOR DIRECT REPLY - DOE

U.S. SPENT FUEL TEAM, THURSDAY 2/8/96

To: Cherie Fitzgerald, U.S. Department of Energy, NN-42 Fax 202-586-2343

From: Thomas Grim, U.S. Department of Energy Site Monitor Fax 850-2-381-2473

WHILE LEAVING THE SITE YESTERDAY ONE OF THE CHECK POINTS TOLD KEN QUINONES THAT HIS PASS WAS INVALID. THIS MORNING HE WAS NOT ABLE TO ACCOMPANY US TO THE SITE. YESTERDAY HE REQUESTED TO MEET WITH THE FOREIGN MINISTRY. THIS AFTERNOON HE WENT TO PYONGYANG FOR SUCH A MEETING.

TODAY WE AWAKENED TO 3" OF NEW SNOW. WHEN WE ARRIVED AT THE SITE WE FOUND THAT KEROSENE HAD NOT BEEN DELIVERED, THE BOILER HAD NOT ARRIVED, AND A WATER MAIN HAD BROKEN LEAKING WATER INTO OUR OFFICE. NEEDLESS TO SAY IT WAS A SLOW START THIS MORNING, BUT THERE WAS NO DAMAGE FROM FREEZING.

THIS MORNING VIEBROCK AND I MET WITH CHIEF ENG LI WHO HAD QUESTIONS CONCERNING THE CANNING PROGRAM. AFTER WE ANSWERED SOME MINOR QUESTIONS HE REPEATED HIS REQUEST (VOICED TO LIBBY, PANELL, AND DOUG MORRIS LAST WEEK) THAT THE RACK SYSTEM BE MODIFIED. HE SAYS THAT HE WANTS MORE FLEXIBILITY TO USE THE BRIDGE CRANE DURING MAINTENANCE. WE RESPONDED THAT THE DESIGN HAS BEEN APPROVED AND HIS REQUEST MUST BE CONSIDERED AT A HIGHER LEVEL.

THE WORK PLATFORM MOD WAS WELDED, BUT BECAUSE THE METAL WAS TOO COLD THE WELDS DEVELOPED STRESS CRACKS. THEREFORE THE WELDS HAD TO BE CUT AND THE METAL WARMED AFTER KEROSENE WAS AVAILABLE. STAINLESS STEEL NEEDS TO BE ABOVE 60 F BEFORE WELDING. THE MOD WAS COMPLETED BY THE END OF THE DAY. WE WILL PROCEED WITH GETTING ONE WORKSTATION COMPLETE BEFORE STARTING ANOTHER.

YESTERDAY 15 RODS WERE REMOVED FROM POOL 1. THIS MORNING SIX MORE WERE MOVED TO THE FLOOR OF POOL 2. FUEL ROD END CAPS WERE PUT IN A BUCKET SUSPENDED IN THE WATER. MORE VACUUMING WAS ALSO DONE AND AT THE END OF THE DAY ANOTHER ROD WAS FOUND.

CURRENT PLANS ARE TO INSTALL THE COLLIMATOR SO THAT THE BOTTOM OF THE ROD BEING MEASURED IS 4" ABOVE THE TOP OF THE FUEL BASKET AT THE STATION AND APPROX 36" FROM THE BASKET CENTERLINE. THE HEIGHT TO WHICH A ROD IS LIFTED IS LIMITED TO 3 METERS FROM ROD TOP TO WATER LEVEL BY THE DPRK. A COLLIMATOR WILL BE PLACED BETWEEN STATIONS 1&2 AND 3&4. WE ARE ATTEMPTING TO POINT THE COLLIMATOR AWAY FROM THE FUEL BASKET AND CANISTER AND PARALLEL TO THE WEST WALL. WE ESTIMATE THE COLLIMATOR FIELD WILL BE 2-3 R. DURING VACUUMING WE MEASURE 2.5 R 1 METER FROM THE WALL OF FUEL BASKETS IN THE EAST POOL.

JOHN NEWBY WILL STAY UNTIL FEB 27. HIS VISA IS GOOD TILL THEN.

U.S. spent fuel team (DOE) weekly summaries

DOES NOT CONTAIN
UNCLASSIFIED CONTROLLED
NUCLEAR INFORMATION

CONFIRMED TO BE UNCLASSIFIED
DOE OFFICE OF CLASSIFICATION 45-13-
DATE: 1/30/2009
T. Stier

D00013603

02/08/96 08:46 202 586 2323
96-02-09 20:10 PYONGYANG-KOREA

DOE - NN-42
812473

V CAROTENUTO
T-688 P.01

002/003

#113

CHRON

U.S. SPENT FUEL TEAM, FRIDAY 2/9/96

To: Charlie Fitzgerald, U.S. Department of Energy, NN-42 Fax 202-586-2323

From: Thomas Grim, U.S. Department of Energy Site Monitor Fax 850-2-381-2473

THE FEBRUARY 16, 17, AND 19 ARE ALL HOLIDAYS HERE. WE WILL NOT BE ABLE TO WORK. I AM THINKING ABOUT FLYING TO BEIJING ON THE 17TH AND TALKING TO WINSTON ON HIS WAY IN. OF COURSE IF AIR KORYO DOES NOT FLY ON THE 17TH I WILL BE STAYING LONGER AWAITING WINSTON.

WE HAVE NOT SEEN THE POWER AND THE BUILDING HAS NOT BEEN

STARTED.

KEN QUINONES ARRIVED BACK FROM PYONGYANG THIS AFTERNOON, BUT HE STILL HAS NOT BEEN ALLOWED INTO THE SITE.

CHIEF ENGINEER LI ASKED TO DISCUSS HIS REQUEST THAT THE RACK SYSTEM BE CHANGED SO THAT THE TOOL PROVIDED TO REMOVE THE SAFEGUARD POLES CAN DO SO WITHOUT REMOVING CANISTERS. WE DECLINED HIS REQUEST. I EMPHASISED THAT THESE DISCUSSIONS MUST BE

STAIN
CONTROLLED
EMATION

0000 13604

02/09/96 08:47
96-02-09 20:12

202 586 2323
PYONGYANG-KOREA

DOE - NN-42
812473

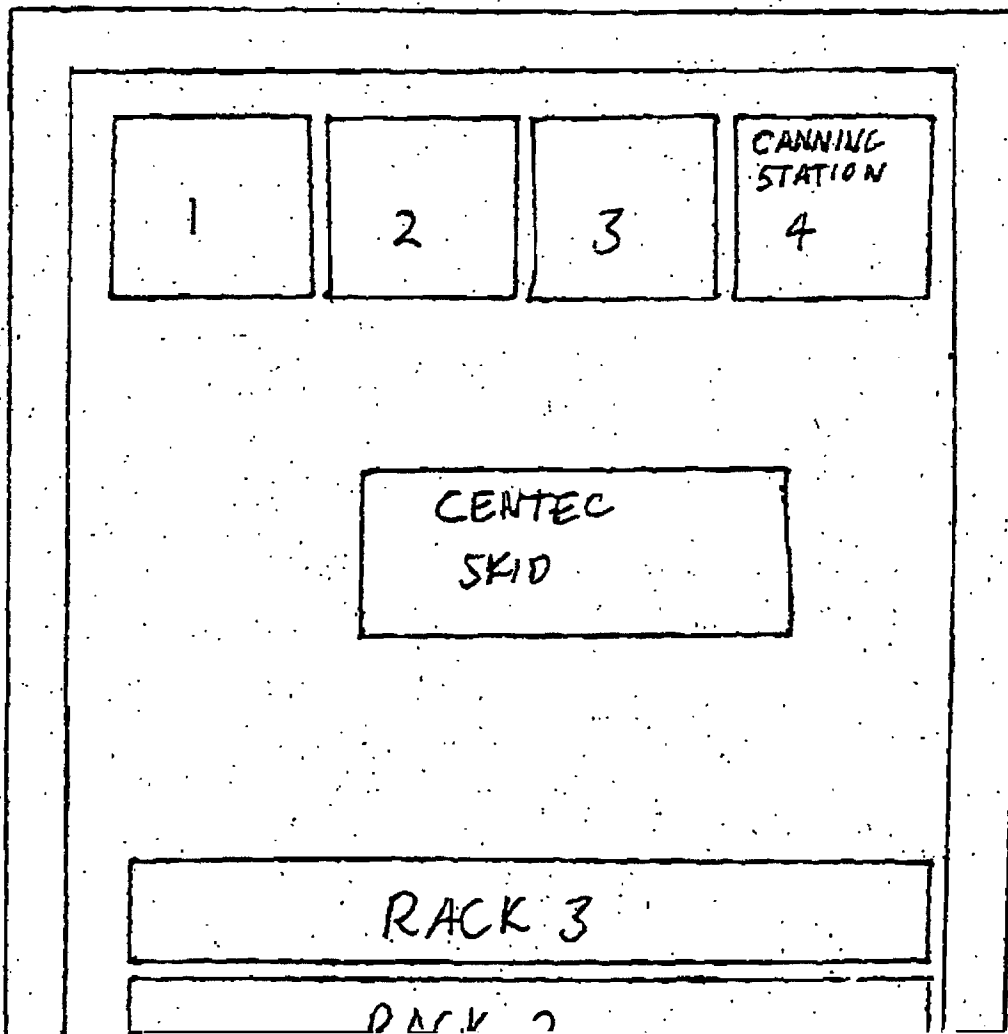
--- V CAROTENUTO

T-688 P.02

003/003

9K1014

TRANSFERRED TO OTHER AGENCY
TRANSFER FOR DIRECT REPLY - DOE



DOES NOT CONTAIN
UNCLASSIFIED CONTROLLED
NUCLEAR INFORMATION

TELED
ON 11/2/93
1/2/99

96-02-10 20:13

PYONGYANG-KOREA

B12473

T-690 P.01

TRANSFERRED TO OTHER AGENCY
TRANSFER FOR DIRECT REPLY - DOE

M102

U.S. SPENT FUEL TEAM, SATURDAY 2/10/96

To: Cherie Fitzgerald, U.S. Department of Energy, NN-42 Fac 2025362225

From: Thomas Grim, U.S. Department of Energy Site Monitor Fac 850-4-8812473

RANDY THOMAS AND BLAIR ALEXANDER SHOULD GET PRC VISA BUT WAIT UNTIL THE BOILER BUILDING IS STARTED BEFORE APPLYING FOR A DPRK VISA TO AVOID CONTINUAL CHANGE REQUESTS. THE BOILER ARRIVED AT 4:30. ONE BOX HAS BEEN PUNCTURED BY A FORKLIFT.

THIS MORNING AT THE MORNING MEETING WE DISCUSSED TODAY'S AND MONDAY'S WORK ITEMS. ALL OF TODAY'S WORK WAS AGREED ON, BUT WE ASKED FOR A TRILATERAL MEETING TO TALK ABOUT THE PLACEMENT OF THE IAEA COLLIMATOR. WE PROPOSE THAT THIS BE MOUNTED ON WORK STATIONS 2 & 3. ONE COLLIMATOR WOULD BE USED BY STATIONS 1 & 2 AND THE OTHER BY 3 & 4. CEL WANTS TO TALK TO US SEPARATELY. HE SAYS HE HAS NOT BE GIVEN THE SPECIFICATIONS BY THE IAEA AND AFTER THAT HE WOULD AGREE TO THE MEETING. WE ASKED FOR A MEETING TO EXPLORE WHAT INFORMATION IS AVAILABLE AND REQUIRED BY ALL SIDES. WE ALSO

96-02-12

19:34

PYONGYANG-KOREA

812473

TRANSFERRED TO OTHER AGENCY
TRANSFER FOR DIRECT REPLY - DOE

71104

U.S. SPENT FUEL TEAM, MONDAY 2/12/96

To: Cherie Fitzgerald, U.S. Department of Energy, NN 42 242 585-332
From: Thomas Grim, U.S. Department of Energy Site Monitor Fax 800 243 2473
PLANNED WORK: 2/12/96 CRITICAL PATH HRS WORKED 6.5 25 HRS LOST
FROM LACK OF DPRK CRANE AND MAN POWER SUPPORT.

- 1) POOL #1 FLOOR CLEANING (COMPLETE EXCEPT UNDER CENTEC SKID)
 - PREPARE AND INSPECT AREA FOR FIRST RACK
 - PREPARE AND INSPECT AREA FOR WORK STATIONS 2&3
- 2) FINISH SLUDGE REMOVAL OPS (COMP EXCEPT UNDER CENTEC SKID)
 - MAP LOCATION OF RESIDUAL SLUDGE
 - CONTINUE WITH VACUUMING
- 3) WORK STATION #1 INSTALLATION
 - FINISH MODIFICATION OF TOP EXTENSION (COMPLETE)
 - INSTALL TOP EXTENSION (COMPLETE)
 - CONNECT MOTOR TO WIRE BRUSH SHAFT
 - INSTALL HOT WATER LINES TO OVERPACK
 - INSTALL WORK PLATFORM TO WORK STATION (COMPLETE)
- 4) IAEA EQUIPMENT MODIFICATION
 - MEET WITH DPRK & IAEA ON INSTALLING GAMMA SCANNING EQUIP. (TUESDAY CONTINGENT ON IAEA SUPPLYING INFO)
- 5) WORK STATION #2
 - SET UP FOR INSTALLATION INTO POOL
- 6) CONDITIONING EQUIPMENT
 - CONT. TESTING OF THE CONDITIONING STATION (ON GOING)

THIS WORK PLAN IS BASED ON A TWELVE HOUR DAY WITH TWO SIX MAN DPRK CREWS FOR SIX HOURS EACH AS AGREED IN THE JANUARY 20 RECORD OF MEETING. THE US MEMBERS WORKED NINE HOURS DPRK MEMBERS WORK 9-12 AND 2-6. ON AVE. ONLY THREE WORKERS ARE PROVIDED. THERE IS ALWAYS TIME SPENT PREPARING TO WORK (GATHERING MATERIALS/TOOLS AND DRESSING IN ANTI-CS) AND SECURING WORK.

TODAY WE AGREED TO PROVIDE TWO SMALL WINCHES FOR CANISTER MAINTENANCE UNDER THE IAEA AND TO PUT ADDITIONAL 1" DRAIN HOLES IN THE RACKS. NO IMPACT ON SAFEGUARDS. WE WILL BE PUTTING IN FIRST RACK TOMORROW. ALSO A TRILATERAL MEETING ON GAMMA SCANNING EQUIPMENT WAS AGREED TO FOR TOMORROW.

WINSTON, I WILL CALL YOU 2/12/96 2:30 PM YOUR TIME PLEASE BRING

- NEW MILWAUKEE HEAVY DUTY DEEP CUT BAND SAW, 120 VOLT, CAT NO. 6230, SERIAL # 678A495360488. ONE HERE BROKE. NAC WILL REIMBURSE.
- 6 42 OUNCE JARS OF JAM & JELLY.
- EUTECTIC 3/32" E308L-16 OR EQUIVALENT (STAINLESS STEEL WELDING ROD) COME IN 10 POUND BOXES. WE NEED 3 BOXES. WE ARE DOING MORE MODIFICATIONS THAN EXPECTED.
- IF YOU CAN'T DO IT ALL PLEASE BRING THE BAND SAW.

THE BOILER HAS BEEN TAKEN OFF THE TRUCKS. NO DAMAGE FOUND.

UNCLASSIFIED CONTROLLED
NUCLEAR INFORMATION

CONFIRMED TO BE UNCLASSIFIED

DOE OFFICE OF CLASSIFICATION H5-13
T. Sieler DR DATE: 1/27/2001

U.S. spent fuel team (DOE) weekly summaries

2008 000 2437

02/14/96 07:45
96-02-14 19:01202 586 2323
FYUNG TUNG TUNG

RA Libby

V CAROTENUTO

002/002

TRANSFERRED TO OTHER AGENCY
TRANSFER FOR DIRECT REPLY - DOE

W107

US SPENT FUEL TEAM, WEDNESDAY 2/14/96

To: Cherie Fitzgerald, US Department of Energy, NN-42 Fax 202-586-2323

From: Thomas Grim, US Department of Energy Site Monitor Fax 850-2-381-2473

PLANNED WORK: 2/14/96 CRITICAL PATH HRS WORKED - 4.0 5.0 HRS
LOST FROM LACK OF DPRK CRANE AND MAN POWER SUPPORT AND
ELECTRICITY. POWER WAS ON FOR 1/2 HR IN THE MORNING. THIS DELAYED
AND DISRUPTED WORK, PARTICULARLY THE RACK INSTALLATION.
VIEBROCK AND MYSELF HAVE SPENT EVERYDAY IN LENGTHY DISCUSSIONS
SOMETIMES ALL DAY. THEREFORE A GREAT DEAL OF TIME HAS BEEN TAKEN
AWAY FROM THE OVERSIGHT AND MANAGEMENT OF THE TECHNICAL
ASPECTS OF THE PROJECT. I EXPECT THIS TO CONTINUE UNTIL CANNING
BECOMES ROUTINE.

1) POOL #1

- REMOVE ANY DEBRIS IN RACK 2 & 3 AREA (COMPLETE)

2) RACK INSTALLATION

- PREPARE RACK 2 FOR INSTALLATION (COMPLETE)
- INSTALL RACK TWO 11:30 (COMPLETELY AT 4:30 PM)

MAIN
CONTROL
ATION

02/15/96 10:01 202 586 2323
15/02 96 23:32 00002014422

RA Libby

Y CARUENUIU

0002/002

TRANSFERRED TO OTHER AGENCY
TRANSFER FOR DIRECT REPLY - DOE

M108

US SPENT FUEL TEAM, THURSDAY 2/15/96

CHRON

To: Cherie Fitzgerald, US Department of Energy, NN 42 Fax 202 586-2323
 From: Thomas Grim, IIS Department of Energy Site Monitor Fax 850-2 381 2473
 PLANNED WORK: 2/17/96 CRITICAL PATH HRS WORKED 2.5. 5.5 HRS LOST
 FROM LACK OF DPRK CRANE AND MAN POWER SUPPORT, ELECTRICITY AND
 DPRK HOLIDAY. THE TEAM ONLY WORKED IN THE MORNING AS DIRECTED
 BY THE DPRK WHO WILL BE ON HOLIDAY FROM 2/16/96 THROUGH 2/19/96.
 THE MAJOR ACCOMPLISHMENT FOR THE DAY WAS THE INSTALLATION OF
 RACK THREE

- 1) RACK INSTALLATION
 - PREPARE RACK THREE FOR INSTALLATION (COMPLETE)
 - INSTALL RACK THREE (10 AM) (COMPLETE AT 11:00 AM)
- 2) WORK STATION INSTALLATION
 - HOOK UP MOTOR TO FUEL CLEANER SHAFT
- 3) IAEA EQUIPMENT MODIFICATION
 - MEET WITH DPRK & IAEA ON GAMMA SCANNING AND WEIGHING EQUIPMENT
 - US DESCRIBED PHONE CONVERSATION WITH IAEA IN VIENNA ON THE EVENING OF 2/14/96. US EXPRESSED WILLINGNESS TO CARRY OUT MODIFICATIONS TO THE EQUIPMENT AFTER AGREED UPON.
 - DPRK REQUESTED WRITTEN CONFIRMATION FROM IAEA THAT THE DPRK AND US TEAM COULD DISCUSS AND CARRY OUT MODIFICATIONS TO THE EQUIPMENT.
- 4) CONDITIONING EQUIPMENT
 - INSTALL EXHAUST LINES FROM CONDITIONING STATIONS TO HEPA FILTER (STARTED)
- 5) SLUDGE COLLECTION
 - COLLECTION OF SLUDGE IN FIRST DRUM (CONTINUED)

 DOES NOT CONTAIN
 UNCLASSIFIED CONTROLLED
 NUCLEAR INFORMATION

THE FOLLOWING ITEMS MUST BE ACCOMPLISHED PRIOR TO CANNING AT THE FIRST COMPLETED WORK STATION. TARGET COMPLETION DATES ARE INCLUDED

- | | |
|---|---------|
| 1) REMOVE CENTEC SKID | 2/20/96 |
| 2) INSTALL ALL SEVEN RACKS | 2/24/96 |
| 3) WORK STATION 4 ANCILLARY EQUIP INST. | 2/22/96 |
| 4) WORK STATION 4 CONDITIONING PIPING INST. | 2/24/96 |
| 5) WORK STATION 4 SYSTEM CHECKOUT | 2/26/96 |

 REMED TO BE UNCLASSIFIED
 OFFICE OF CLASSIFICATION
 DATE: 1/30/2009
 BY: [signature]

000013610

02/21/96 07:57 202 586 2323

RA Libby

V CAROTENUTO

002/008

TRANSFERRED TO OTHER AGENCY
TRANSFER FOR DIRECT REPLY - DOE

M109

US SPENT FUEL TEAM, WEDNESDAY FEBRUARY 21, 1996

TO: Cherie Fitzgerald, US Department of Energy, NN-42 Fax: (202) 586-4323

000013611

02/21/96 07:59 202 586 2323
96-02-21 06:57 PYONGYANG-KOREA

RA Libby
012473

V CAROTENUTO

005/008

TRANSFERRED TO OTHER AGENCY
TRANSFER FOR DIRECT REPLY - DOE

US SPENT FUEL TEAM, TUESDAY FEBRUARY 20, 1996

CHRON

TO: Cherie Fitzgerald, US Department of Energy, NN-42 Fax: (202) 586-2323

FROM: Jim Viebrock, NAC Site Representative

Fax: 850-2-381-2473

PLANNED WORK: 2/20/96 CRITICAL PATH HRS WORKED 3.5, 5.5 HRS LOST FROM
DELAY IN NEW PASSES & LACK OF ELECTRICITY. THE MAJOR ACCOMPLISHMENT FOR
THE DAY WAS THE REMOVAL OF THE CENTEC SKID FROM THE SPENT FUEL POOL.
WORKED ONE HOUR OVERTIME TO REMOVE SKID.

LIST OF TODAY'S PLANNED ACTIVITIES:

1) CENTEC SKID REMOVAL

• PREPARE AREA FOR SKID STORAGE

(COMPLETED)